

CLAIMS

1. A device for inserting a cannula into tissue, comprising.
 - a) a cannula;
 - b) a protective element which can accommodate said cannula;
 - c) an operating element, using which the cannula can be moved out of said protective element; and
 - d) a holder which is fixedly connected to the cannula.
2. The device as set forth in claim 1, wherein said holder comprises a connecting element.
3. The device as set forth in claim 1, further comprising a needle surrounded by the cannula.
4. The device as set forth in claim 3, wherein said needle can be inserted completely into the protective element.
5. The device as set forth in claim 3, wherein a spring or operating element is provided which generates a force on the needle in an inserting direction into the protective element.
6. The device as set forth in claim 1, wherein the device is connected to a base body, wherein the connection is detachable.
7. The device as set forth in claim 6, wherein said base body consists of a foundation body arranged on a plaster.
8. The device as set forth in claim 7, wherein the device comprises at least one connecting element for connecting to said foundation body.
9. The device as set forth in claim 1, wherein the protective element is a solid, non-ductile body.
10. The device as set forth in claim 1, wherein the protective element is a frame which at least partially surrounds the cannula when it is retracted.

11. The device as set forth in claim 1, wherein the protective element is a sheath which completely surrounds the cannula when it is retracted.
12. The device as set forth in claim 1, wherein said operating element is connected to the protective element when retracted.
13. The device as set forth in claim 12, wherein the operating element is formed such that it prevents the connection to the foundation body from being released before the cannula is expelled.
14. The device as set forth in claim 1, wherein a sealing element is provided in the holder.
15. A base body comprising a foundation body having at least one connecting element for connecting to the device for inserting a cannula as set forth in claim 1 and for connecting to a device for supplying a fluid.
16. The base body as set forth in claim 15, wherein said base body is connected to said device for inserting said cannula and the operating element is inserted at least partially into the protective element.
17. The base body as set forth in claim 15, wherein the same connecting element can be used for connecting to the device for inserting a cannula and to the device for supplying the fluid.
18. The base body as set forth in claim 15, wherein said at least one connecting element is a latching connecting element.
19. A system for connecting a liquid supply to a cannula, comprising:
 - a) a foundation body comprising a cannula and an opening adjacent to said cannula;
and
 - b) a liquid supply comprising a plug having a supplying element which can be inserted into said opening of said foundation body, wherein said plug can be attached to a contact

point of the foundation body and tilted about said contact point such that said supplying element of the plug is guided into the opening of the foundation body.

20. The system as set forth in claim 19, wherein at least one guiding element is provided on one of the plug and the foundation body in order to guide the plug during tilting.

21. The system as set forth in claim 19, wherein the plug is formed such that it can jam with the contact point of the foundation body.

22. The system as set forth in any one of claim 19, wherein the plug can be connected to the foundation body.

23. A foundation body comprising a rotationally mounted swivel having an opening which enables a cannula including a needle to be introduced in a first position and enables a supplying element for supplying liquid to be introduced in a second rotated position.

24. A device for supplying a liquid via a cannula into tissue, comprising a sealing element which serves to seal a liquid space and can be pierced by the cannula when the cannula is to be inserted into said tissue and can be penetrated by a supplying element when a liquid is to be supplied to said liquid space.

25. A device for inserting a cannula into tissue, comprising:

- a) a cannula;
- b) a cannula expelling device for moving said cannula; and
- c) a restoring element which is coupled to the cannula expelling device, in order to retract said cannula expelling device again once the cannula has been expelled.

26. The device as set forth in claim 25, wherein the cannula expelling device is a needle.

27. The device as set forth in claim 25, wherein said restoring element is a spring element.

28. The device as set forth in claim 27, wherein a triggering element is provided for the restoring element such that the restoring element can be automatically triggered, in particular when the cannula inserting device is detached from a foundation body connected to it.
29. The device as set forth in claim 25, wherein the cannula expelling device further comprises a spring.
30. The device as set forth in claim 29, wherein said cannula expelling device and the restoring element are formed by a single element, in particular the spring.
31. The device as set forth in claim 25, further comprising a triggering element for securing and triggering at least one of the cannula expelling device and the restoring element.
32. The device as set forth in claim 31, further comprising a securing element for arresting said triggering element.
33. The device as set forth in claim 1, wherein the device is a disposable device or a reusable device.
34. The device as set forth in claim 1, wherein a rotational connection for connecting the cannula inserting device to a foundation body is provided.